

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/612,929DATE: 03/07/97  
TIME: 15:26:57

INPUT SET: S15989.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

## (1) General Information:

(i) APPLICANT: Holmes, Stephen D.  
Gross, Mitchell S.  
Sylvester, Daniel R.

(ii) TITLE OF INVENTION: Recombinant IL4 Antibodies Useful in  
Treatment of IL4 Mediated Disorders

(iii) NUMBER OF SEQUENCES: 58

## (iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: SmithKline Beecham Corporation  
(B) STREET: Corporate Intellectual Property, UW2220 - 709  
Swedeland Rd.  
(C) CITY: King of Prussia  
(D) STATE: PA  
(E) COUNTRY: USA  
(F) ZIP: 19406-2799

## (v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

## (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:  
(B) FILING DATE:  
(C) CLASSIFICATION:

## (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/117,366  
(B) FILING DATE: 07-SEP-1994

(A) APPLICATION NUMBER: US 08/136,783  
(B) FILING DATE: 14-OCT-1993

## (viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Sutton, Jeffrey A.  
(B) REGISTRATION NUMBER: 34,028  
(C) REFERENCE/DOCKET NUMBER: P50186-2

## (ix) TELECOMMUNICATION INFORMATION:

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/612,929

DATE: 03/07/97

TIME: 15:27:02

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47 (A) TELEPHONE: (215) 270-5024  
48 (B) TELEFAX: (215) 270-5090  
49  
50  
51

## 52 (2) INFORMATION FOR SEQ ID NO:1: 53

54 (i) SEQUENCE CHARACTERISTICS:  
55 (A) LENGTH: 396 base pairs  
56 (B) TYPE: nucleic acid  
57 (C) STRANDEDNESS: double  
58 (D) TOPOLOGY: unknown  
59

60 (ii) MOLECULE TYPE: cDNA  
61

62 (ix) FEATURE:  
63 (A) NAME/KEY: CDS  
64 (B) LOCATION: 1..396  
65  
66  
67  
68  
69

## 70 71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1: 72

73	ATG GAG ACA GAC ACA ATC CTG CTA TGG GTG CTG CTG CTC TGG GTT CCA	48
74	Met Glu Thr Asp Thr Ile Leu Leu Trp Val Leu Leu Leu Trp Val Pro	
75	1 5 10 15	
76		
77	GGC TCC ACT GGT GAC ATT GTG CTG ACC CAA TCT CCA GCT TCT TTG GCT	96
78	Gly Ser Thr Gly Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala	
79	20 25 30	
80		
81	GTG TCT CTA GGG CAG AGG GCC ACC ATC TCC TGC AAG GCC AGC CAA AGT	144
82	Val Ser Leu Gly Gln Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser	
83	35 40 45	
84		
85	GTT GAT TAT GAT GGT GAT AGT TAT ATG AAC TGG TAC CAA CAG AAA CCA	192
86	Val Asp Tyr Asp Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro	
87	50 55 60	
88		
89	GGA CAG CCA CCC AAA CTC CTC ATC TAT GCT GCA TCC AAT CTA GAA TCT	240
90	Gly Gln Pro Pro Lys Leu Leu Ile Tyr Ala Ala Ser Asn Leu Glu Ser	
91	65 70 75 80	
92		
93	GGG ATC CCA GCC AGG TTT AGT GGC AGT GGG TCT GGG ACA GAC TTC ACC	288
94	Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr	
95	85 90 95	
96		
97	CTC AAC ATC CAT CCT GTG GAG GAG GAG GAT GCT GCA ACC TAT TAC TGT	336
98	Leu Asn Ile His Pro Val Glu Glu Glu Asp Ala Ala Thr Tyr Tyr Cys	
99	100 105 110	

# RAW SEQUENCE LISTING PATENT APPLICATION. US/08/612,929

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100  
101 CAG CAA AGT AAT GAG GAT CCT CCG ACG TTC GGT GGA GGC ACC AAG CTG 384  
102 Gln Gln Ser Asn Glu Asp Pro Pro Thr Phe Gly Gly Gly Thr Lys Leu  
103 115 120 125

104  
105 GAA ATC AAA CGG 396  
106 Glu Ile Lys Arg  
107 130

108

109

110 (2) INFORMATION FOR SEQ ID NO:2:

111

112 (i) SEQUENCE CHARACTERISTICS:

113 (A) LENGTH: 132 amino acids

114 (B) TYPE: amino acid

115 (D) TOPOLOGY: linear

116

117 (ii) MOLECULE TYPE: protein

118

119 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

120

121 Met Glu Thr Asp Thr Ile Leu Leu Trp Val Leu Leu Leu Trp Val Pro  
122 1 5 10 15

123

124 Gly Ser Thr Gly Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala  
125 20 25 30

126

127 Val Ser Leu Gly Gln Arg Ala Thr Ile Ser Cys Lys Ala Ser Gln Ser  
128 35 40 45

129

130 Val Asp Tyr Asp Gly Asp Ser Tyr Met Asn Trp Tyr Gln Gln Lys Pro  
131 50 55 60

132

133

134 Gly Gln Pro Pro Lys Leu Leu Ile Tyr Ala Ala Ser Asn Leu Glu Ser  
135 65 70 75 80

136

137 Gly Ile Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr  
138 85 90 95

139

140 Leu Asn Ile His Pro Val Glu Glu Glu Asp Ala Ala Thr Tyr Tyr Cys  
141 100 105 110

142

143 Gln Gln Ser Asn Glu Asp Pro Pro Thr Phe Gly Gly Gly Thr Lys Leu  
144 115 120 125

145

146 Glu Ile Lys Arg  
147 130

148

149

150 (2) INFORMATION FOR SEQ ID NO:3:

151

152 (i) SEQUENCE CHARACTERISTICS:

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/612,929

DATE: 03/07/97

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153 (A) LENGTH: 483 base pairs  
 154 (B) TYPE: nucleic acid  
 155 (C) STRANDEDNESS: double  
 156 (D) TOPOLOGY: unknown  
 157  
 158 (ii) MOLECULE TYPE: cDNA  
 159  
 160 (ix) FEATURE:  
 161 (A) NAME/KEY: CDS  
 162 (B) LOCATION: 64..483  
 163  
 164 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
 165  
 166 GAATTCGCGG CCGCTATGCA GGGACAATCA GCAGCAGCAA TGAGGAAGTA AGCCTGTGCA 60  
 167  
 168 GAT ATG AAC AGG CTT ACT TCC TCA TTG CTG CTG CTG ATT GTC CCT GCA 108  
 169 Met Asn Arg Leu Thr Ser Ser Leu Leu Leu Leu Ile Val Pro Ala  
 170 1 5 10 15  
 171  
 172 TAT GTC CTG TCC CAG GTT ACT CTG AAA GAG TCT GGC CCT GGG ATA TTG 156  
 173 Tyr Val Leu Ser Gln Val Thr Leu Lys Glu Ser Gly Pro Gly Ile Leu  
 174 20 25 30  
 175  
 176 CAG CCC TCC CAG ACC CTC AGT CTG ACT TGT TCT TTC TCT GGG TTT TCA 204  
 177 Gln Pro Ser Gln Thr Leu Ser Leu Thr Cys Ser Phe Ser Gly Phe Ser  
 178 35 40 45  
 179  
 180 CTG AGC ACT TCT GGT ATG GGT GTG AGC TGG ATT CGT CAG CCT TCA GGA 252  
 181 Leu Ser Thr Ser Gly Met Gly Val Ser Trp Ile Arg Gln Pro Ser Gly  
 182 50 55 60  
 183  
 184 AAG GGT CTG GAG TGG CTG GCA CAC ATT TAC TGG GAT GAT GAC AAG CGC 300  
 185 Lys Gly Leu Glu Trp Leu Ala His Ile Tyr Trp Asp Asp Asp Lys Arg  
 186 65 70 75  
 187  
 188 TAT AAC CCA TCC CTG AAG AGC CGG CTC ACA ATC TCC AAG GAT ACC TCC 348  
 189 Tyr Asn Pro Ser Leu Lys Ser Arg Leu Thr Ile Ser Lys Asp Thr Ser  
 190 80 85 90 95  
 191  
 192 AGC AAC CAG GTA TTC CTC AAG ATC ACC AGT GTG GAC ACT GCA GAT ACT 396  
 193 Ser Asn Gln Val Phe Leu Lys Ile Thr Ser Val Asp Thr Ala Asp Thr  
 194 100 105 110  
 195  
 196  
 197 GCC ACA TAC TAC TGT GCT CGA AGA GAG ACT GTG TTC TAC TGG TAC TTC 444  
 198 Ala Thr Tyr Tyr Cys Ala Arg Arg Glu Thr Val Phe Tyr Trp Tyr Phe  
 199 115 120 125  
 200  
 201 GAT GTC TGG GGC GCA GGG ACC ACG GTC ACC GTC TCC TCA 483  
 202 Asp Val Trp Gly Ala Gly Thr Thr Val Thr Val Ser Ser  
 203 130 135 140  
 204  
 205

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206 (2) INFORMATION FOR SEQ ID NO:4:

207

208 (i) SEQUENCE CHARACTERISTICS:

209 (A) LENGTH: 140 amino acids

210 (B) TYPE: amino acid

211 (D) TOPOLOGY: linear

212

213 (ii) MOLECULE TYPE: protein

214

215 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

216

217 Met Asn Arg Leu Thr Ser Ser Leu Leu Leu Leu Ile Val Pro Ala Tyr

218 1 5 10 15

219

220 Val Leu Ser Gln Val Thr Leu Lys Glu Ser Gly Pro Gly Ile Leu Gln

221 20 25 30

222

223 Pro Ser Gln Thr Leu Ser Leu Thr Cys Ser Phe Ser Gly Phe Ser Leu

224 35 40 45

225

226 Ser Thr Ser Gly Met Gly Val Ser Trp Ile Arg Gln Pro Ser Gly Lys

227 50 55 60

228

229 Gly Leu Glu Trp Leu Ala His Ile Tyr Trp Asp Asp Asp Lys Arg Tyr

230 65 70 75 80

231

232 Asn Pro Ser Leu Lys Ser Arg Leu Thr Ile Ser Lys Asp Thr Ser Ser

233 85 90 95

234

235 Asn Gln Val Phe Leu Lys Ile Thr Ser Val Asp Thr Ala Asp Thr Ala

236 100 105 110

237

238 Thr Tyr Tyr Cys Ala Arg Arg Glu Thr Val Phe Tyr Trp Tyr Phe Asp

239 115 120 125

240

241 Val Trp Gly Ala Gly Thr Thr Val Thr Val Ser Ser

242 130 135 140

243

244

245 (2) INFORMATION FOR SEQ ID NO:5:

246

247 (i) SEQUENCE CHARACTERISTICS:

248 (A) LENGTH: 60 base pairs

249 (B) TYPE: nucleic acid

250 (C) STRANDEDNESS: double

251 (D) TOPOLOGY: unknown

252

253 (ii) MOLECULE TYPE: cDNA

254

255 (ix) FEATURE:

256 (A) NAME/KEY: CDS

257 (B) LOCATION: 1..60

258

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION :US/08/612,929**

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Line

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Original Text